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S/N 09/490,748

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mark P. Bendett et al.

Examiner: Jeffrey N Zahn

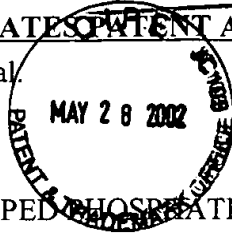
Serial No.: 09/490,748

Group Art Unit: 2828

Filed: January 25, 2000

Docket: 1014.002US1

Title: RARE-EARTH DOPED PHOSPHATE-GLASS LASERS AND ASSOCIATED METHODS



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RESPONSE TO RESTRICTION REQUIREMENT AND PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Applicant elects group 1 of the restriction requirement.

Please substitute the claim set in the appendix entitled Clean Version of Pending Claims for the previously pending claim set. The substitute claim set is intended to reflect amendment of previously pending claims 1-34. The specific amendments to individual claims are detailed in the following marked up set of claims.

In the Claims

1. [Amended Once] [A laser] An optical component comprising:

a glass substrate doped with a laser species;

a waveguide defined within the substrate; and

a diode pump laser with an extended waveguide laser resonator cavity, the extended diode laser cavity being positioned adjacent the substrate waveguide so that pump light from the diode laser is absorbed along a length thereof.

2. [Amended Once] The [laser] optical component of claim 1 wherein the substrate is doped with Yb and Er.

3. [Amended Once] The [laser] optical component of claim 1 wherein the substrate is doped with Er.

4. [Amended Once] The [laser] optical component of claim 1 wherein the substrate waveguide forms a laser resonator cavity within the substrate.